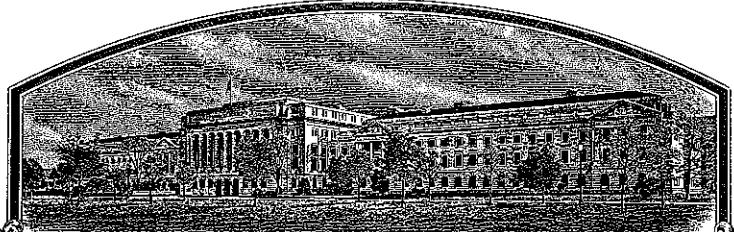


No.

200300109



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Seed Source, Inc.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREBE ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF Viable BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR MULGING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE PURPOSES, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

COTTON

'HQ110CT'

In Testimony Whereof, I have hereunto set my hand
and caused the seal of the Plant Variety
Protection Office to be affixed at the City of
Washington, D.C. this twenty-fifth day of
August, in the year two thousand and five.

Attest:

Bert J. Johnson
Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

G. L. Johnson
Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and Information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER

SEED SOURCE Inc.

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME

CT-11

3. VARIETY NAME

HQ110CT 11/10/03
ET11048

4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)

4578 OLD LELAND ROAD
P.O. BOX 28
STONEVILLE, MS 38776

5. TELEPHONE (Include area code)

662-686-7855

6. FAX (Include area code)

662-686-7855

7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.)

CORP.

8. IF INCORPORATED, GIVE STATE OF INCORPORATION

DELAWARE

9. DATE OF INCORPORATION

2/28/89

FILING DATE

1/29/03

10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers)

JOHN M. GREEN
101 Sycamore St.
LELAND, MS 38756

FILING AND EXAMINATION FEES:

\$ 2705.

DATE 1/29/03

CERTIFICATION FEE:

\$ 682.00

DATE 7/22/05

11. TELEPHONE (Include area code)

662-686-7863

12. FAX (Include area code)

662-686-7855

13. E-MAIL

ssi@tecninfo.com

14. CROP KIND (Common Name)

COTTON

18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)

19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? See Section 83(e) of the Plant Variety Protection Act)

 YES (If "yes", answer items 20 and 21 below) NO (If "no," go to item 22)

20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES?

IF YES, WHICH CLASSES? FOUNDATION REGISTERED CERTIFIED

21. DOES THE OWNER SPECIFY THAT THE CLASSES BE LIMITED AS TO NUMBER OF GENERATIONS?

IF YES, SPECIFY THE NUMBER 1, 2, 3, etc. FOUNDATION REGISTERED CERTIFIED

22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U.S. OR OTHER COUNTRIES?

 YES NO

IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)

23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)?

 YES NO

IF YES, GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)

24. The owners declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.

The undersigned owner(s) is/are the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Owner(s) is/are informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF OWNER

SIGNATURE OF OWNER

NAME (Please print or type)

John M. Green

NAME (Please print or type)

CAPACITY OR TITLE

CAPACITY OR TITLE

DATE

President

1/24/03

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (*in the sense that it will reproduce an entire plant*) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$2,700 (\$320 filing fee and \$2,385 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$320 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office
Telephone: (301) 504-5518
FAX: (301) 504-5291
Homepage: <http://www.ams.usda.gov/science/pvp.htm>

ITEM

- 18a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
 (2) the details of subsequent stages of selection and multiplication;
 (3) evidence of uniformity and stability; and
 (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 (1) identify these varieties and state all differences objectively;
 (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
19. If "Yes" is specified (*seed of this variety be sold by variety name only, as a class of certified seed*), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See *Regulations and Rules of Practice*, Section 97.103).
21. See Section 83 of the Act for the Contents and Term of Plant Variety Protection.
22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
23. See Section 5.5 of the Act for Instructions on claiming the benefit of an earlier filing date.

21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)
*RETAILED TO FARMERS BY Young Glass King Co., SAN ANTONIO, TX, STARTING
in February, 2002.*

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. Failure to file a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the *Regulations and Rules of Practice*.)

To avoid conflict with other variety names in use, the applicant must check the variety names proposed by contacting [] Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center-East, Beltsville, MD 20705. Telephone: (301) 504-8089.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this collection of information is (0581-0055). The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact the USDA's TARGET Center at 202-720-1600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

S&T-470 (2-99) designed by the Plant Variety Protection Office with WordPerfect 6.0a. Replaces STD-470 (6-98) which is obsolete.

200300109

REPLACEMENT

3/10/04 WAL

HQ11OCT 7/7/05

EXHIBIT A: ORIGIN AND BREEDING HISTORY OF CT-11

The cross DPL5415xKC311 was made by Seed Source in 1993. A row of the F-1 was grown in 1994, and the population was advanced through F-2 and F-3 as a bulk with individual locks harvested. Individual plants were selected in F-4 and these were advanced plant-to-row through F-6. Selection was for early maturity and for plant type with intermediate closeness of fruiting. Subsequent selection was for high lint percent and acceptable lint quality.

The pedigree of CT-11 is: DPL5415xKC311-B-B-2-5-3-B.

The bulk was harvested for the first time in 2000 in both normal and ULTRA-EARLY plantings. Each year a new increase of the bulk has been grown. CT-11 has been uniform and stable; no rogues or variants have been observed in 4 years.

EXHIBIT B: DISTINCTIVENESS OF CT-11

CT-11 is most like SG 747. They are similar in small bolls, nodes to the first fruiting branch, vegetative branch length and node number, plant height and number of nodes in the main stem, and in number of locks and seeds per boll.

These two varieties can be distinguished by the fruiting pattern in the middle section of the plant and by plant height.

First internode length

	PVP TRAITS 2000		2001 PVP TRAITS	
	CT-11	SG 747	CT-11	SG 747
Bottom 1/3 of plant	117.3	132.7	135.8	136.7
Middle 1/3 of plant	62.7	118.2	60.5	131.7
Top 1/3 Of plant	50.3	50.2	36.7	45.0

Plant height 83 cm 100 cm 120 cm 126 cm

REPRODUCE LOCALLY. Include form number and date on all reproductions.

Form Approved - OMB No. 0581-0055

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, AG Box 7630, Jamie L. Whitten Building, Washington, D.C. 20250. When replying, refer to OMB No. 0581-0055 and form number in your letter. Under the PRA of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, and marital or familial status. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact the USDA Office of Communications at (202) 720-2791. To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call (202) 720-7327 (voice) or (202) 720-1127 (TDD). USDA is an equal opportunity employer.

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

EXHIBIT C
(COTTON)

OBJECTIVE DESCRIPTION OF VARIETY
COTTON (*Gossypium* spp.)

NAME OF APPLICANT(S) <i>SEED SOURCE INC</i>	TEMPORARY DESIGNATION <i>CT-11</i>	VARIETY NAME <i>CT4040 HQ110CT</i>
ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code) <i>4578 OLD LEZAND ROAD STONEVILLE, MS 38776</i>	FOR OFFICIAL USE ONLY PVPO NUMBER <i>200300109</i>	

Place the appropriate data that describes the varietal characteristics of this variety in the space provided. Characteristics described, including numerical measurements, should represent those that are typical for the variety. Royal Horticultural Society or any recognized color fan may be used to determine plant colors. Characters marked with an asterisk * indicate necessary characters to be measured.

SPECIFIC VARIETIES USED FOR COMPARISON AS CHECK VARIETIES IN THIS APPLICATION: Use standard regional check varieties which are adapted to your area. One of the comparison varieties must be the most similar variety used in Exhibit B.

Variety 1. DP5415 Variety 2. STD 474 Variety 3. SG247

*1. SPECIES:

G. hirsutum L. *G. barbadense* L.

*2. AREA(S) OF ADAPTATION: (A = Adapted, NA = Not Adapted, NT = Not Tested)

Eastern

Plains

Other (Specify): _____

Delta

Western

Central

Arizona

Blacklands

San Joaquin

3. GENERAL: Characteristics which are known to be variable but are still useful for a meaningful description of the variety.

Application Variety	Comparison Variety 1	Comparison Variety 2	Comparison Variety 3
---------------------	----------------------	----------------------	----------------------

Plant Habit:

Spreading, Intermediate, Compact

I

C

I

S

Foliation:

Sparse, Intermediate, Dense

D

D

I

D

Stem Lodging:

Lodging, Intermediate, Erect

E

E

E

E

Fruiting Branch:

Clustered, Short, Normal

S

C

I

N

3. GENERAL: (continued)

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Growth:

Determinate, Intermediate,
IndeterminateD D D D

Leaf Color:

Greenish yellow, Light green,
Medium green, Dark greenDG DG GY DGBoll Shape: Length less than width,
Length equal to width,
Length more than widthMORE MORE MORE MOREBoll Breadth: Broadest at base,
Broadest at middleMIDDLE MIDDLE MIDDLE MIDDLE

*4. MATURITY: (50 % Open bolls; Preferred method; Describe method if different method was used.)

Date of 50 % open bolls 121 131 128 123

5. PLANT:

Cm to 1st Fruiting Branch:
(from cotyledony node)1.96 23.4 15.6 14.9No. of Nodes to 1st Fruiting Branch:
(excluding cotyledony node)4.4 6.0 5.5 7.6Mature Plant Height cm:
(from cotyledony node to terminal)120 114 134 126

*6. LEAF: Upper most, fully expanded leaf.

Type: Normal, Sub Okra,
Okra, Super OkraN N N NPubescence: Absent, Sparse,
Medium, Dense ~~QR~~ Trichomes/cm²
(Bottom surface excluding veins)A A Dense A

Nectaries: Present or Absent

P P P P*7. STEM PUBESCENCE:
Glabrous, Intermediate, HairyI I H I

*8. GLANDS: (Gossypol) Absent, Sparse, Normal, More Than Normal

Leaf:

N N N N

Stem:

N N N N

Calyx Lobe: (normal is absent)

A A A A

*9. FLOWER:

RECIPIECE
USDA-AMS-PPO

Petals: Cream, Yellow

C C C C

Pollen: Cream, Yellow

C C C C

Petal Spot: Present, Absent

A A A A

* 10. SEED:

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Seed Index:
(g/100 seeds, fuzzy basis)

9.0

8.7

9.7

9.5

Lint Index:
(g lint/100 seeds)

5.82

5.96

6.88

6.03

* 11. BOLL:

Lint Percent:

X Picked

Pulled

41.9

40.7

41.6

38.7

OR

Gin Turnout:

Picked

Stripped

Number of Seeds per Boll

33.3

33.8

32.7

34.4

Grams Seed Cotton per Boll

2.87

4.80

3.70

2.93

Number of Locules per Boll

4.21

4.31

4.26

4.23

Boll Type:

(Stormproof, Storm Resistant, Open)

0

0

0

0

12. FIBER PROPERTIES:

Specify Method (HVI or other): HVI

* Length: (inches, 2.5% SL)

1.11

1.17

1.13

1.09

* Uniformity: (%)

83.8

84.0

83.6

85.7

* Strength, T1 (g/tex)

26.9

25.6

29.2

26.2

* Elongation, EI (%)

4.5

5.1

4.8

5.5

* Micronaire:

5.3

4.6

4.8

4.9

Fineness (Source _____)

Yarn Tenacity: (cN/tex, 27 tex)

Yarn Strength: (lbs. 22's)

116

112

112

105

13. DISEASES: (NT = Not Tested, S = Susceptible, MS = Moderately Susceptible, MR = Moderately Resistant, R = Resistant)

AT Alternaria macrospora

MR Fusarium Wilt

✓ Anthracnose

AT Phymatotrichum Root Rot

✓ Ascochyta Blight

✓ Pythium (specify species)

✓ Bacterial Blight (Race 1)

✓ Rhizoctonia solani

✓ Bacterial Blight (Race 2)

✓ Southwestern Cotton Rust

✓ Bacterial Blight (Race _____)

✓ Thielaviopsis basicola

13. DISEASES : (continued)

 Diploidia Boll Rot Verticillium Wilt

200300109

 Other (specify) _____

14. NEMATODES, INSECTS AND PESTS: (NT = Not Tested, S = Susceptible, MS = Moderately Susceptible, MR = Moderately Resistant, R = Resistant)

 Root-Knot Nematode

- Boll Weevil
- Bollworm
- Cotton Aphid
- Cotton Fleahopper
- Cotton Leafworm
- Cutworm (specify species): _____
- Fall Armyworm
- Other (specify): _____

 Reniform Nematode

- Grasshopper (specify species): _____
- Lygus (specify species): _____
- Pink Bollworm
- Spider Mite (specify species): _____
- Stink Bug (specify species): _____
- Thrips (specify species): _____
- Tobacco Bud Worm

15. COMMENTS: Present any additional information that cannot adequately be described in 1 through 13 which significantly distinguishes your variety.

04 JUN 29 1980

RECEIVED
USDA-AMS-PVPD

200300109

HQ110CT WSH
7/7/05
Exhibit D. Additional description of CT-11

CT-11 is a cold tolerant variety. In this case, cold tolerance is the ability of seed in moist soil at sub-optimum temperatures to survive and germinate and produce seedlings that will emerge and develop into normal plants.

No feature of the phenotype is associated with this trait.

200300109

EXP NO.	CT-1	CT-10	CT-12	X 020	LIGUR CT	R-1002	SS 9901	HG110CZ CT-AT	HG110CZ CT-AT
VARIETY NAME	CT 211 HQ	CT 212 HQ	CT 120 HQ	CT 310 HQ				DPL 50	SG 747
Vegetative branches	0.8	1	1.1	1	1.2	1	1.2	0.6	0.6
Vegetative branch length	59	67	41	64	69	64	7.8	57	62
V. B. node number	8	10	8	13	14	12	16	15	16
Node mean length	7.4	6.7	5.1	5.4	4.7	5	5.3	4	5
Nodes to first fruiting branch	5	5	6	5	6	4	5	5	5
MM to first fruiting branch	227	180	294	84	101	88	98	86	101
Length first fruiting branch	202	149	212	255	196	264	300	153	242
F. B. node number	3	3	4	4	4	5	7	3	5
Node mean length	67	49	53	61	49	52	44	51	48
Plant height CM	110	113	117	97	90	93	78	83	77
Central stalk node number	21	23	22	25	27	23	32	27	24
Node mean length	5.2	4.9	5.3	3.9	3.3	4	2.4	3.1	3.2
Leaf width MM	161	157	171	121	143	137	135	117	128
Leaf length	107	112	122	164	200	209	204	169	192
Boll length MM	41	40.3	43	42.8	48.8	46.2	43.2	43.4	45.8
Boll width	28	29	31	30.8	29.8	31.6	30	31	32.4
Ratio	0.67	0.72	0.72	0.72	0.61	0.69	0.69	0.72	0.71
Seed index	8.7	8.4	9.3	10.1	10.4	12	9.6	9.4	11.4
Lint index	5.99	6.14	6.6	7.6	6	8.4	6.2	6.4	6.5
									7.3

16 VARIETIES RANKED ON INTERNODE LENGTH IN THE TOP 1/3 OF THE PLANT 2000

ENTRY NODE	CT-12	DP5415	9901	CT-10	X020	9907	CT-1	S6	747	GI-44	X3040	M-18	9815	DPL50	R-1002	ST	474	'X0001	AVERAGE		
																			1	2	3
1	67	35	58	47	132	92	110	160	130	98	133	93	85	170	113	113	137				
2	76	23	40	30	142	88	105	152	123	115	120	65	95	113	113	113	113				
3	115	42	17	50	98	82	110	147	83	130	113	50	160	105	93	93	162				
4	128	12	82	37	128	58	62	142	113	83	97	57	133	65	98	98	147				
5	143	28	20	15	123	70	47	65	135	115	45	28	150	118	50	50	135				
6	135	18	62	30	115	57	83	130	120	90	113	55	110	68	42	42	125				
	110.7	26.3	46.5	34.8	123.0	74.5	86.2	132.7	117.3	105.2	103.5	58.0	122.2	106.5	84.8	84.8	143.0				
7	140	42	62	28	113	73	100	128	132	62	90	115	108	147	82	48	48				
8	110	28	30	18	113	79	87	100	100	122	98	85	113	128	67	30	30				
9	130	65	27	20	87	62	100	100	103	73	90	112	45	130	50	38	38				
10	103	43	38	32	88	88	110	110	103	73	90	112	23	110	82	73	73				
11	0	38	40	50	77	72	113	113	113	55	70	103	107	103	103	47	47				
12	98	47	50	48	80	42	98	112	55	92	75	75	70	90	93	23	23				
	96.8	43.8	41.2	32.7	93.0	69.3	101.3	118.3	62.7	82.3	103.0	77.7	118.0	79.5	43.2	43.2	132.2				
13	65	42	33	48	73	58	92	95	72	63	87	93	105	95	60	60	128				
14	30	35	40	47	50	55	67	83	87	55	77	50	73	85	77	77	117				
15	14	18	55	13	32	40	63	50	67	55	62	65	60	65	85	85	100				
16	4	35	33	30	21	37	40	60	43	70	38	57	55	45	63	63	78				
17	7	28	15	37	24	22	18	9	20	49	27	40	22	24	33	33	42				
18	4	17	6	27	9	8	4	13	17	18	13	7	12	10	10	10	10				
	20.7	29.2	30.3	33.7	34.8	36.8	48.0	50.2	50.3	51.5	51.5	53.0	53.7	54.3	54.7	54.7	79.2				
MEAN	76.06	33.11	39.33	33.72	83.61	60.22	78.50	100.39	76.78	79.67	86.00	62.89	97.94	80.11	60.89	60.89	118.11				

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16 VARIETIES RANKED ON INTERNODE LENGTH IN THE CENTRAL 1/3 OF THE PLANT 2000

ENTRY NODE	CT-10	9901	ST	474	DP5415	CT-T1	9907	9815	R-1002	X3040	X020	CT-12	CT-1	M-18	DPL50	S6	747	X0001
	3	1	15	14	4	10	11	9	7	8	5	2	12	16	13	13	6	
1	47	58	113	35	130	92	93	170	98	132	67	110	133	85	160	137		
2	30	40	113	23	123	88	65	113	115	142	76	105	120	95	152	162		
3	50	17	93	42	83	82	50	105	130	98	115	110	113	160	147	147		
4	37	82	96	12	113	58	57	65	83	128	128	62	97	133	142	135		
5	15	20	50	28	135	70	28	118	115	123	143	47	45	150	65	125		
6	30	62	42	18	120	57	55	68	90	115	135	83	113	110	130	152		
7	34.8	46.5	84.8	26.3	117.3	74.5	58.0	106.5	105.2	123.0	110.7	86.2	103.5	122.2	132.7	143.0		
8	28	62	48	42	33	73	113	82	67	113	140	100	100	147	128	120		
9	18	30	30	28	62	79	108	67	90	113	110	87	115	128	132	107		
10	20	27	38	65	98	62	45	50	85	87	130	100	113	130	122	158		
11	32	38	73	43	73	88	23	82	90	88	103	110	112	110	103	142		
12	50	40	47	38	55	72	107	103	70	77	0	113	103	103	113	138		
13	48	50	23	47	55	42	70	93	92	80	98	98	75	90	112	128		
14	32.7	41.2	43.2	43.8	62.7	69.3	77.7	79.5	82.3	93.0	96.8	101.3	103.0	118.0	118.3	132.2		
15	48	33	60	42	72	58	93	95	63	73	65	92	87	105	95	128		
16	47	40	77	35	87	55	50	85	55	50	30	67	77	73	83	117		
17	13	55	85	18	67	40	65	65	55	32	14	63	62	60	50	100		
18	30	33	63	35	43	37	57	45	70	21	4	40	38	55	60	78		
19	37	15	33	28	20	22	40	24	49	24	7	18	27	22	9	42		
20	27	6	10	17	13	9	13	12	17	9	4	8	18	7	4	10		
21	33.7	30.3	54.7	29.2	50.3	36.8	53.0	54.3	51.5	34.8	20.7	48.0	51.5	53.7	50.2	79.2		
MEAN	33.72	39.33	60.89	33.11	76.78	60.22	62.89	80.11	79.67	83.61	76.06	78.50	86.00	97.94	100.39	116.11		

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16 VARIETIES RANKED ON INTERNODE LENGTH IN THE BOTTOM 1/3 OF THE PLANT 2000

ENTRY NO	DP5415	CT-10	9901	9815	9907	ST	474	CT-1	M-18	X3040	R-1002	CT-12	GTT	DPL50	X020	SG	747	X0001	6
1	35	47	58	93	92	113	110	133	98	170	67	130	85	132	160	160	137		
2	23	30	40	65	88	113	105	120	115	113	76	123	95	142	152	152	162		
3	42	50	17	50	82	93	110	113	130	105	115	83	160	98	147	147	147		
4	12	37	82	57	58	98	62	97	83	65	128	113	133	128	142	142	135		
5	28	15	20	28	70	50	47	45	115	118	143	135	150	123	65	65	125		
6	18	30	62	55	57	42	83	113	90	68	135	120	110	115	130	130	152		
	26.3	34.8	46.5	58.0	74.5	84.8	86.2	103.5	105.2	106.5	110.7	117.3	122.2	123.0	132.7	132.7	143.0		
7	42	28	62	113	73	48	100	100	67	82	140	33	147	113	128	128	120		
8	28	18	30	108	79	30	87	115	90	67	110	62	128	113	132	132	107		
9	65	20	27	45	62	38	100	113	85	50	130	98	130	87	122	122	158		
10	43	32	38	23	88	73	110	112	90	82	103	73	110	88	103	103	142		
11	38	50	40	107	72	47	113	103	70	103	0	55	103	77	113	113	138		
12	47	48	50	70	42	23	98	75	92	93	98	55	90	80	112	112	128		
	43.6	32.7	41.2	77.7	69.3	43.2	101.3	103.0	82.3	79.5	96.8	62.7	118.0	93.0	118.3	118.3	132.2		
13	42	48	33	93	58	60	92	87	63	95	65	72	105.	73	95	95	128		
14	35	47	40	50	55	77	67	77	55	85	30	87	73	50	83	83	117		
15	18	13	55	65	40	85	63	62	55	65	14	67	60	32	50	50	100		
16	35	30	33	57	37	63	40	38	70	45	4	43	55	21	60	60	78		
	28	15	40	22	33	18	27	49	24	7	20	22	24	9	42	42			
17	28	37	15	40	22	33	18	18	17	12	4	13	7	53.7	34.8	50.2	79.2		
18	17	27	6	13	9	10	8	18	17	4	50.3	53.7	4						
	29.2	33.7	30.3	53.0	36.8	54.7	48.0	51.5	51.5	54.3	20.7	50.3	53.7	34.8	50.2	50.2	79.2		
MEAN	33.11	33.72	39.33	62.89	60.22	60.89	78.50	86.00	79.67	80.11	76.06	76.78	97.94	83.61	100.39	118.11			

2001 PVP TRAITS

TRAIT	SS9901	CT-1	CT-10	CT-11	CT-12	DP5415	ST0474	SG747
Nodes to 1st Fr Br	5.40	6.40	4.90	4.40	6.40	6.00	5.50	4.60
MM to 1st Fr Br	184.00	231.00	161.00	196.00	302.00	234.00	156.00	149.00
Length veg. branch	55.00	58.00	70.00	59.00	39.00	63.00	93.00	49.00
No. nodes in veg br.	10.00	8.00	11.00	10.00	8.00	10.00	12.00	9.00
No. nodes in 1st fr.br.	2.20	3.30	2.90	2.20	3.60	2.90	2.40	4.70
Length 1st fr. br.	95.00	213.00	159.00	218.00	220.00	42.00	182.00	307.00
Mean node length	47.50	65.40	54.10	98.10	60.80	17.50	82.80	49.00
Plant height	108.00	112.00	115.00	120.00	119.00	114.00	134.00	126.00
Number of nodes in stem	23.00	23.00	24.00	23.00	22.00	26.00	25.00	21.00
Mean node length	4.55	4.79	4.55	5.07	5.49	4.48	5.29	6.14
Seed index	9.00	9.00	8.80	9.00	9.50	8.70	9.70	9.50
Lint index	5.96	5.99	6.14	5.82	6.52	5.96	6.88	6.03
Leaf length	128.00	132.00	119.00	124.00	124.00	130.00	137.00	130.00
Leaf width	181.00	175.00	166.00	148.00	174.00	170.00	176.00	176.00
Boll length	42.00	43.00	42.00	43.00	44.00	41.00	41.00	44.00
Boll width	29.00	29.00	31.00	29.00	31.00	28.00	31.00	31.00
Grams/boll	4.09	3.43	3.46	2.87	3.67	4.80	3.70	2.93
Lint %	39.80	39.90	40.90	41.90	40.70	40.70	41.60	38.70
Locks/boll	4.33	4.22	4.30	4.21	4.69	4.31	4.26	4.23
Seeds/boll	35.10	34.70	34.70	33.30	36.70	33.80	32.70	34.40
LOW 1/3: MM TO 1ST N.	42.50	85.80	40.00	135.80	103.30	16.70	84.80	136.70
MID 1/3:	55.80	101.70	45.80	60.50	126.70	63.30	43.20	131.70
TOP 1/3:	24.20	53.30	26.70	36.70	34.20	38.30	54.70	45.00

16 VARIETIES RANKED ON INTERNODE LENGTH IN THE TOP 1/3 OF THE PLANT 2001

ENTRY NODE	SS9907	SS9901	CT-10	CT-12	CT-14	DP5415	X 020	SG 747	M-18	X3040	SS9815	CT-1	DPL	P	R-1002	ST	474	X0001	
													1	2	16	9	15	6	
1	115	30	30	50	140	10	150	190	133	98	93	20	85	170	113	110	110	110	
2	110	70	40	65	130	10	190	175	120	115	65	40	95	113	113	113	145	145	
3	100	15	105	130	110	10	95	140	113	130	50	125	160	105	93	93	125	125	
4	70	105	35	120	140	10	160	125	97	83	57	120	133	65	98	98	90	90	
5	120	10	125	165	40	125	50	45	115	28	90	90	150	118	50	100	100	100	
6	45	25	20	130	130	20	125	140	113	90	55	120	110	68	42	42	150	150	
	93.3	42.5	40.0	103.3	135.8	16.7.	140.8	136.7	103.5	105.2	58.0	85.8	122.2	106.5	84.8	84.8	84.8	120.0	120.0
7	73	35	75	150	33	95	90	145	100	67	113	105	147	82	48	48	48	130	130
8	110	15	15	100	110	65	130	160	115.	90	108	110	128	67	30	30	30	50	50
9	80	15	30	145	85	115	125	140	113	85	45	80	130	50	38	38	200	200	
10	120	90	75	115	20	55	65	120	112	90	23	115	110	82	73	73	145	145	
11	35	110	55	130	80	30	110	120	103	70	107	115	103	103	47	47	145	145	
12	30	70	25	120	35	20	60	105	75	92	70	85	90	93	23	23	140	140	
	74.7	55.8	45.8	126.7	60.5	63.3	95.7	131.7	103.0	82.3	77.7	77.7	101.7	118.0	79.5	43.2	43.2	135.0	135.0
13	15	25	35	65	25	85	80	95	87	63	93	75	105	95	60	60	135	135	
14	30	50	25	50	30	80	60	70	77	55	50	80	73	85	77	77	130	130	
15	10	30	15	35	40	30	40	50	62	55	65	75	60	65	85	85	105	105	
16	10	15	25	20	80	20	30	30	38	70	57	50	55	45	63	63	85	85	
17	10	15	40	20	35	10	10	15	27	49	40	30	22	24	33	33	65	65	
18	5	10	20	15	10	5	10	18	17	13	10	7	12	10	10	10	10	10	
	13.3	24.2	26.7	34.2	36.7	38.3	38.3	45.0	51.5	51.5	53.0	53.3	53.7	54.3	54.7	54.7	88.3	88.3	88.3
MEAN	60.44	40.83	37.50	88.06	77.67	39.44	91.94	104.44	86.00	79.67	62.89	80.28	97.94	80.11	60.89	60.89	114.44		

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16 VARIETIES RANKED ON INTERNODE LENGTH IN THE CENTRAL 1/3 OF THE PLANT 2001

11/12/06

	ST	474	CT-10	SS9901	HONDOCT	CT-11	DP5415	SS9907	SS9815	R-1002	X3040	X-020	CT-1	M-18	DPL 50	CT-12	SS-747	X0001
ENTRY NODE	15	3	1	4	14	10	11	9	7	8	2	12	16	5	13	6		
1	113	30	30	140	10	115	93	170	98	150	20	133	85	50	190	110		
2	113	40	70	130	10	110	65	113	115	190	40	120	95	65	175	145		
3	93	105	15	110	10	100	50	105	130	95	125	113	160	130	140	125		
4	98	35	105	140	10	70	57	65	83	160	120	97	133	120	125	90		
5	50	10	165	40	120	28	118	115	125	90	45	150	125	50	100	100		
6	42	20	25	130	20	45	55	68	90	125	120	113	110	130	140	150		
7	84.8	40.0	42.5	135.8	16.7	93.3	58.0	106.5	105.2	140.8	85.8	103.5	122.2	103.3	136.7	120.0		
8	30	15	15	110	65	110	108	67	90	105	100	147	150	145	130			
9	38	30	15	85	115	80	45	50	85	125	80	113	130	145	160	50		
10	73	75	90	20	55	120	23	82	90	65	115	112	110	115	140	200		
11	47	55	110	80	30	35	107	103	70	110	115	103	103	130	120	145		
12	23	25	70	35	20	30	70	93	92	60	85	75	90	120	120	145		
	43.2	45.8	55.8	60.5	63.3	74.7	77.7	79.5	82.3	96.7	101.7	103.0	118.0	126.7	131.7	135.0		
13	60	35	25	25	85	15	93	95	63	80	75	87	105	65	95	135		
14	77	25	50	30	80	30	50	85	55	60	80	77	73	50	70	130		
15	85	15	30	40	30	10	65	65	55	40	75	62	60	35	50	105		
16	63	25	15	80	20	10	57	45	70	30	50	38	55	20	30	85		
17	33	40	15	35	10	10	40	24	49	10	30	27	22	20	15	65		
18	10	20	10	10	5	5	13	12	17	10	10	18	7	15	10	10		
	54.7	26.7	24.2	36.7	38.3	13.3	53.0	54.3	51.5	38.3	53.3	51.5	53.7	34.2	45.0	88.3		
MEAN	60.89	37.50	40.83	77.67	39.44	60.44	62.89	80.11	79.67	91.94	80.28	86.00	97.94	88.06	104.44	114.44		

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16 VARIETIES RANKED ON INTERNODE LENGTH IN THE BOTTOM 1/3 OF THE PLANT 2001

ENTRY NO	DP5415	CT-10	SS9901	SS9815	ST 474	CT-1	SS9907	CT-12	M-18	X3040	R-1002	X0001	DPL 50	HOL 71105	GT-H	SG 747	X 021	€
1	10	30	93	113	20	115	50	133	98	170	110	85	140	190	190	150	150	
2	10	40	65	113	40	110	65	120	115	113	145	95	130	175	190	190	190	
3	10	105	50	93	125	100	130	113	130	105	125	160	110	140	140	95	95	
4	10	35	105	57	98	120	70	120	97	83	65	90	133	140	125	125	160	
5	40	10	10	28	50	90	120	125	45	115	118	100	150	165	50	125	160	
6	20	20	25	55	42	120	45	130	113	90	68	150	110	130	140	140	125	
7	16.7	40.0	42.5	58.0	84.8	85.8	93.3	103.3	103.5	105.2	106.5	120.0	120.0	122.2	135.8	136.7	140.8	
8	95	75	35	113	48	105	73	150	100	67	82	130	147	33	145	90	90	
9	65	15	15	108	30	110	110	100	115	90	67	50	128	110	160	130	130	
10	115	30	15	45	38	80	80	145	113	85	50	200	130	85	140	125	125	
11	55	75	90	23	73	115	120	115	112	90	82	145	110	20	120	65	65	
12	30	55	110	107	47	115	35	130	103	70	103	145	103	80	120	110	110	
13	20	25	70	70	23	85	30	120	75	92	93	140	90	35	105	60	60	
14	63.3	45.8	55.8	77.7	43.2	101.7	74.7	126.7	103.0	82.3	79.5	135.0	118.0	60.5	131.7	96.7	96.7	
15	85	35	25	93	60	75	15	65	87	63	95	135	105	25	95	80	80	
16	80	25	50	50	77	80	30	50	77	55	85	130	73	30	70	60	60	
17	30	15	30	65	85	75	10	35	62	55	65	105	60	40	50	40	40	
18	20	25	15	57	63	50	10	20	38	70	45	85	55	80	30	30	30	
19	10	40	15	40	33	30	10	20	27	49	24	65	22	35	15	10	10	
20	5	20	10	13	10	10	5	15	18	17	12	10	7	10	10	10	10	
21	38.3	26.7	24.2	53.0	54.7	53.3	13.3	34.2	51.5	51.5	54.3	88.3	53.7	36.7	45.0	38.3	38.3	
MEAN	39.44	37.50	40.83	62.89	60.89	80.28	60.44	88.06	86.00	79.67	80.11	114.44	97.94	77.67	104.44	91.94	91.94	

16 VARIETIES RANKED ON INTERNODE LENGTH IN THE CENTRAL 1/3 OF THE PLANT 2001

~~WxH105~~

ENTRY NODE	ST 474	CT-10	SS9901	1	4	14	10	11	R-1002	X 020	CT-1	M-18	DPL 50	CT-12	SG 747	X0001
1	113	30	30	140	10	115	93	170	98	150	20	133	85	50	190	110
2	113	40	70	130	10	110	65	113	115	190	40	120	95	65	175	145
3	93	105	15	110	10	100	50	105	130	95	125	113	160	130	140	125
4	98	35	105	140	10	70	57	65	83	160	120	97	133	120	125	90
5	50	10	165	40	120	28	118	115	125	90	45	150	125	50	100	100
6	42	20	25	130	20	45	55	68	90	125	120	113	110	130	140	150
	84.8	40.0	42.5	135.8	16.7	93.3	58.0	106.5	105.2	140.8	85.8	103.5	122.2	103.3	136.7	120.0
7	48	75	35	33	95	73	113	82	67	90	105	100	147	150	145	130
8	30	15	15	110	65	110	108	67	90	130	110	115	128	100	160	50
9	38	30	15	85	115	80	45	50	85	125	80	113	130	145	140	200
10	73	75	90	20	55	120	23	82	90	65	115	112	110	115	120	145
11	47	55	110	80	30	35	107	103	70	110	115	103	103	130	120	145
12	23	25	70	35	20	30	70	93	92	60	85	75	90	120	120	145
	43.2	45.8	55.8	60.5	63.3	74.7	77.7	79.5	82.3	96.7	101.7	103.0	118.0	126.7	131.7	135.0
13	60	35	25	25	85	15	93	95	63	80	75	87	105	65	95	135
14	77	25	50	30	80	30	50	85	55	60	80	77	73	50	70	130
15	85	15	30	40	30	10	65	65	55	40	75	62	60	35	50	105
16	63	25	15	80	20	10	57	45	70	30	50	38	55	20	30	85
17	33	40	15	35	10	10	40	24	49	10	30	27	22	20	15	65
18	10	20	10	10	5	5	13	12	17	10	10	18	7	15	10	10
	54.7	26.7	24.2	36.7	38.3	13.3	53.0	54.3	51.5	38.3	53.3	51.5	53.7	34.2	45.0	88.3
MEAN	60.89	37.50	40.83	77.67	39.44	60.44	62.89	80.11	79.67	91.94	80.28	86.00	97.94	88.06	104.44	144.

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16 VARIETIES RANKED ON CLOSENESS OF FRUITING IN THE ENTIRE PLANT

THE ENTIRE PLANT IS VANILLA NAMED ON CLOSENESS OF FRUITING IN

200300109

TABLE 4. COMPARATIVE YIELDS OF
TOP 3 CT LINES AND CHECKS

VARIETY	<u>PLANTED</u>		
	4/1	4/29	5/11
CT-11	1411		898
PSC 355			1035
BXN 47			1041
SG 747			940
CT-12	1392	1240	
PSC 355		1212	
BXN 47		1192	
SG 747		1101	
CT-10	1296	1063	
BXN 47		998	
SG 747		1077	

HQ OCT
WBD
7/7/05

*Data file 1C01MS

Title:

Function: PRLIST
Data case no. 1 to 16
Without selection

200300109

LIST OF VARIABLES

VAR	TYPE	NAME/DESCRIPTION
1	text 15	Variety name
2	numeric	Emergence score
3	numeric	% STAND
4	numeric	SEEDLING ROT
5	numeric	GRAMS/BOLL
6	numeric	Lint %
7	numeric	Lint/acre
8	text 7	VARIETY NAME

CASE
NO.

	1	2	3	4	5	6	7	8
--	---	---	---	---	---	---	---	---

1	SS 9907	M314	3	100	1.99	5.54	41.9	1224	Hq250CT
2	CT-12	STRIP	2	99	2.33	5.92	44.2	1175	Hq120CT
3	CT-2	STRIP	4	95	5.86	5.81	42.9	1117	
4	CT-7	STRIP	5	100	7.63	5.21	44.8	1112	
5	CT-13	STRIP	4	100	1.86	5.83	41.4	1104	
6	CT-8	STRIP	2	96	10.51	6.39	42.7	1101	
7	CT-12	M306	1	90	15.92	6.05	44.0	1090	Hq120CT
8	CT-11	M222	3	95	2.80	5.21	40.2	1089	Hq110CT
9	CT-4	STRIP	3	99	8.51	5.86	42.2	1085	
10	CT-6	STRIP	2	94	10.36	6.18	40.9	1084	
11	CT-10	M217	3	100	4.49	5.47	40.5	1048	Hq212CT
12	CT-3	STRIP	3	100	4.74	5.87	42.8	1045	
13	CT-5	STRIP	4	100	2.90	5.52	43.3	1043	
14	CT-5	M206	5	99	3.12	5.41	43.9	1043	
15	CT-1	M099	1	72	18.12	5.88	40.5	1022	Hq211CT
16	X-3040	3040B	2	88	6.19	5.82	43.8	943	

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♦ Data file 1C01MLS
Title: CT LINES TEST

CT STRAINS TEST

Function: PRLIST
Data case no. 1 to 16
Without selection

LOCATION: BOLIVAR COUNTY
COOPERATOR: ED HESTER

200300109

PLANTED: MAY 4, 2001
HARVESTED: OCTOBER 3

MEAN YIELD: 890

LIST OF VARIABLES

VAR	TYPE	NAME/DESCRIPTION
1	text 15	Variety name
2	numeric	GMS/BOLL
3	numeric	LINT %
4	numeric	LINT/ACRE
5	text 6	RANK YIELD
6	text 7	NAME

CASE
NO.

	1	2	3	4	5	6
--	---	---	---	---	---	---

1	CT-2	5.06	41.5	1065	A	
2	CT-12	4.79	42.1	1041	AB	Hq120CT
3	CT-4	4.88	39.7	1011	ABC	
4	CT-12	4.79	40.6	947	ABCD	Hq120CT
5	CT-11	4.18	40.5	941	ABCD	Hq110CT
6	CT-7	3.96	41.5	936	ABCD	
7	CT-6	5.09	37.3	928	ABCD	
8	CT-5	4.33	43.9	913	ABCD	
9	CT-10	4.75	40.1	906	ABCD	Hq212CT
10	CT-3	4.99	40.5	865	BCDE	
11	CT-5	4.65	43.8	863	BCDE	
12	CT-13	4.91	40.6	841	CDE	
13	SS 9907	4.63	38.8	813	DEF	Hq250CT
14	CT-8	5.34	39.1	797	DEF	
15	CT-1	4.77	37.6	718	EF	Hq211CT
16	X-3040	4.41	39.2	648	F	

03 JAN 29 2003

USDA-AMS-FVPG
RECEIVED

* Data file OC03SSY
Title: STRAINS TEST II

200300109

Function: PRLIST
Data case no. 1 to 16
Without selection

LIST OF VARIABLES

VAR	TYPE	NAME/DESCRIPTION
1	text 15	Variety name
2	numeric	GRAMS/BOLL
3	numeric	LINT %
4	numeric	LINT/ACRE
5	text 9	RANK
6	numeric	MIC
7	numeric	UHM LENGTH
8	numeric	HVI STRENGTH

CASE
NO.

	1	2	3	4	5	6	7	8
--	---	---	---	---	---	---	---	---

1	X023	5.40	40.1	1261	A	4.8	1.15	25.4
2	X024	5.44	39.0	1240	AB	4.8	1.17	27.2
3	X022	5.68	41.2	1224	AB	4.9	1.12	26.9
4	SS 0001	5.52	36.5	1168	ABC	4.8	1.17	27.1
5	CT-12	5.26	39.6	1147	ABC	4.5	1.16	28.0
6	X026	4.96	34.8	1078	BCD	4.8	1.09	28.5
7	SG 747	5.84	38.7	1077	BCD	4.9	1.16	27.3
8	X025	5.08	37.1	1073	BCD	4.6	1.16	28.0
9	CT-10	5.10	37.3	1063	BCD	4.4	1.13	28.8
10	X012	5.30	37.4	1042	CD	4.7	1.11	28.8
11	X013	5.08	38.2	1041	CD	4.5	1.12	28.1
12	SS 0006	4.94	38.8	1009	CD	4.7	1.12	28.7
13	CT-7	4.44	38.7	1005	CD	4.8	1.15	30.9
14	CT-1	4.74	38.2	1000	CD	4.6	1.11	27.5
15	BXN 47	5.10	38.8	998	CD	4.6	1.15	27.5
16	SS 9815	5.22	36.8	946	D	4.5	1.13	29.4

03 JAN 29 1980

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200300109

Data file OC03MSY
Title: STRAINS TEST II

Function: PR LIST
Data case no. 1 to 16
Without selection

LIST OF VARIABLES

VAR	TYPE	NAME/DESCRIPTION
1	text 15	Variety name
2	numeric	GRAMS/BOLL
3	numeric	LINT %
4	numeric	LINT/ACRE
5	text 9	RANK
6	numeric	MIC
7	numeric	UHM LENGTH
8	numeric	HVI STRENGTH

CASE NO.		1	2	3	4	5	6	7	8
1	X024	5.20	42.8	1385	A	4.9	1.14	28.2	
2	X023	5.16	39.6	1250	AB	4.7	1.15	26.7	
3	CT 12	5.42	40.5	1218	BC	5.1	1.15	27.3	
4	SG 747	5.96	38.8	1188	BCD	4.8	1.16	28.0	
5	X022	5.26	39.2	1087	BCDE	4.8	1.13	27.7	
6	X026	5.00	37.9	1058	CDE	4.7	1.16	29.7	
7	SS 0001	5.06	38.5	1039	DEF	4.9	1.14	28.1	
8	CT 1	4.92	39.9	1038	DEF	5.1	1.10	28.7	
9	X013	5.02	39.8	1024	DEFG	4.8	1.12	27.7	
10	CT-10	4.98	39.6	963	EFGH	4.8	1.11	27.8	
11	X011	3.18	41.9	916	EFGHI	5.1	1.14	29.3	
12	SS 9815	5.18	38.9	875	FGHI	4.9	1.11	28.4	
13	X012	4.94	38.4	857	GHI	4.8	1.10	29.0	
14	BXN 47	4.82	41.1	834	HI	5.0	1.14	28.2	
15	SS0006	4.82	37.1	816	HI	4.7	1.16	30.5	
16	X025	4.34	38.9	774	I	4.5	1.15	29.9	

200300109

*Data file OC04MSY
Title: STRAINS TEST III

Function: PRLIST
Data case no. 1 to 16
Without selection

LIST OF VARIABLES

VAR	TYPE	NAME/DESCRIPTION
1	text 15	Variety name
2	numeric	GRAMS/BOLL
3	numeric	LINT%
4	numeric	LINT/ACRE
5	text 9	RANK
6	numeric	MIC
7	numeric	UHM LENGTH
8	numeric	HVI STRENGTH

CASE

CASE NO.	1	2	3	4	5	6	7	8
1 SG 747	5.10	39.8	1041	A	4.8	1.12	27.0	
2 PSC355	4.78	37.3	1035	A	4.7	1.18	30.8	
3 BXN 47	5.21	40.1	940	AB	4.8	1.14	29.3	
4 X017	4.38	37.7	932	ABC	4.6	1.13	29.1	
5 CT-II	4.09	37.3	898	ABCD	4.2	1.16	29.2	
6 SS 9901	4.75	37.7	876	BCD	4.8	1.15	30.5	
7 SS 9815	4.97	36.7	809	BCDE	4.5	1.16	30.7	
8 CT-4	5.47	39.7	782	CDE	4.5	1.08	27.0	
9 X019	5.11	37.2	766	DEF	4.9	1.17	30.8	
10 SS 0005	4.75	38.2	758	DEF	4.8	1.12	28.7	
11 NATA	4.69	35.8	750	DEF	4.4	1.17	32.1	
12 CONDOR	5.04	39.4	694	EFG	4.9	1.11	30.1	
13 SS 9806	5.51	37.7	685	EFG	4.4	1.14	27.7	
14 LIGUR-CT	4.53	36.0	624	FG	4.4	1.18	32.3	
15 CT-2	5.03	40.2	619	FG	4.7	1.07	26.5	
16 LIGUR	4.83	35.6	556	G	4.7	1.15	31.4	

200300109

* Data file OC04SSY
 Title: STRAINS TEST III

Function: PR LIST
 Data case no. 1 to 16.
 Without selection.

LIST OF VARIABLES

VAR	TYPE	NAME/DESCRIPTION
1	text 15	Variety name
2	numeric	GRAMS/BOLL
3	numeric	LINT %
4	numeric	LINT/ACRE
5	text 9	RANK
6	numeric	MIC
7	numeric	UHM LENGTH
8	numeric	HVI STRENGTH

CASE

NO.

1 2 3 4 5 6 7 8

1	SG 747	5.03	39.5	1082	A	4.6	1.11	26.0
2	PSC355	4.91	37.6	1021	AB	4.7	1.11	27.9
3	CT-4	5.18	38.8	984	ABC	4.3	1.05	25.3
4	BXN 47	4.76	40.9	958	ABC	4.7	1.10	27.5
5	CT-2	4.97	39.0	918	ABCD	4.4	1.07	26.2
6	XO19	5.04	38.1	905	BCD	4.7	1.19	29.2
7	XO17	4.06	36.0	887	BCDE	4.0	1.14	27.3
8	CT-11	4.35	36.7	824	CDEF	4.1	1.14	27.7
9	SS 9901	4.90	36.7	823	CDEF	4.1	1.09	26.6
10	SS 9806	5.18	38.9	781	DEF	4.2	1.08	26.4
11	SS 9815	4.73	36.2	759	DEFG	4.5	1.13	29.4
12	SS 0005	4.61	35.7	730	EFG	4.3	1.14	28.1
13	CONDOR	5.09	37.5	706	FG	4.6	1.09	27.9
14	NATA	4.86	35.2	697	FG	4.2	1.18	30.5
15	LIGUR-CT	4.91	36.8	681	FG	4.3	1.14	30.7
16	LIGUR	4.84	35.2	588	G	4.6	1.14	29.2

USP

200300109

2001 NATIONAL COTTON FUSARIUM WILT REPORT

2001 Fusarium Wilt Test, Plant Breeding Unit, EVSRC, Tallahassee, AL						
Entry	Cultivar/Line	Percent wilt per replicate				Avg.
		Rep1	Rep2	Rep3	Rep4	
John Green, Seed Source, Inc., P.O. Box 28, Stoneville, MS 38776						
901	SSI-1 559907	3	19	13	3	10
902	SSI-2 CT-12	25	4	24	91	36
903	SSI-3 X021	0	18	0	35	13
904	SSI-4 CT-10	14	40	17	13	21
905	SSI-5 CT-11	44	7	27	30	27
906	SSI-6 CT-6	74	2	50	6	33
907	SSI-7 SS9901	46	0	56	0	25
908	SSI-8 R-1002	7	15	0	10	8
	Rowden	76	35	45	20	44
	M-315	6	5	3	10	6
Richard Sheetz, Delta and Pine Land Co., RR 2, Box 60, Hale Center, TX 79041						
1001	RS-1	11	0	7	6	6
1002	RS-2	4	7	24	14	12
1003	RS-3	6	19	8	7	10
1004	RS-4	1	4	7	6	5
1005	RS-5	3	4	6	3	4
1006	RS-6	1	7	14	6	7
1007	RS-7	54	17	20	14	26
1008	RS-8	1	5	11	1	4
	Rowden	75	91	48	47	66
	M-315	2	12	1	1	4
Ted Wallace, Mississippi State University, P.O. Box 9555, Starkville, MS 39762						
1101	TPW1	13	12	0	0	6
1102	TPW2	9	3	21	14	12
1103	TPW3	26	11	10	13	15
1104	TPW4	8	11	0	0	5
1105	TPW5	14	21	0	20	14
1106	TPW6	31	5	0	33	17
1107	TPW7	14	14	6	27	15
1108	TPW8	24	9	24	30	22
	Rowden	97	36	64	38	59
	M-315	1	4	8	8	5
O. Lloyd May, University of Georgia, P.O. Box 748, Tifton, GA 31793-0748						
1201	GA96-54	4	0	8	5	4
1202	GA96-199	9	16	43	38	27
1203	GA96-211	2	11	32	6	13
1204	GA97-5	24	24	16	4	17
1205	GA97-8	38	0	7	26	18
1206	GA97-14	14	12	27	30	21
1207	GA97-23	0	0	26	13	10
1208	GA98084	16	10	14	13	13
	Rowden	62	33	51	97	61
	M-315	0	4	0	13	4

continued

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U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICEEXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) SEED SOURCE INC	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER CT-11	3. VARIETY NAME ETHOHQ HQ110CT WAK 1/8/04
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) 4578 OLD LELAND ROAD STONEVILLE, MS 38776	5. TELEPHONE (Include area code) 662-686-7855	6. FAX (Include area code) 662-686-7855
	7. PVPO NUMBER 200300109	

8. Does the applicant own all rights to the variety? Mark an "X" in appropriate block. If no, please explain. YES NO9. Is the applicant (individual or company) a U.S. national or U.S. based company?
If no, give name of country. YES NO10. Is the applicant the original owner? YES NO If no, please answer one of the following:

a. If original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. national(s)?

 YES NO If no, give name of country

b. If original rights to variety were owned by a company(ies), is(are) the original owner(s) a U.S. based company?

 YES NO If no, give name of country

11. Additional explanation on ownership (if needed, use reverse for extra space):

PLEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

- If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, and marital or familial status. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD). USDA is an equal opportunity employer.

To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call 1-800-245-6340 (voice) or (202) 720-1127 (TDD). USDA is an equal opportunity employer.